

**Listing of the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

1-14. (Canceled)

15. (New) A polyolefin-based thermoplastic polymer formulation comprising:

5-30 wt. % cellulose based on the total weight of the formulation; and

a polymer content which comprises

(a) 10-80 wt. % of one or more polypropylene;

(b) 10-85 wt. % of EP(D)M rubber;

(c) 0-40 wt. % of polybutadiene; and

(d) 0.5-60 wt. % of at least one of an ethylene-vinyl acetate copolymer, an ethylene-vinyl acetate terpolymer, NBR, an ethylene-acrylic ester copolymer, an ethylene-acrylic ester terpolymer, a polybutadiene-based polyurethane and/or its precursors, or mixtures thereof;

wherein (c) and (d) make up no more than 60 wt. % of the polymer content of the formulation and wherein (c) and (d) are at least partially grafted onto the polypropylene and the EP(D)M rubber.

16. (New) The formulation according to claim 15, in which the EP(D)M rubber is oil extended 30-60 wt. %.

17. (New) The formulation according to claim 15, wherein the polymer content of the formulation includes the polybutadiene-based polyurethane, the polybutadiene-based polyurethane being the reaction product of a polybutadiene having an -NCO terminal group and one or more of a polybutadiene having an -OH terminal group, a polybutadiene having an -COOH terminal group, or a diol.

18. (New) The formulation according to claim 15, wherein the polymer content comprises 15-50 wt. % of one or more propylene polymers and/or copolymers.

19. (New) A trim element for a motor vehicle comprising an external surface made at least partly with a thermoplastic material having a formulation according to claim 15.

20. (New) The trim element according to claim 19, comprising an internal support layer and an external skin layer, the external skin layer corresponding to the external surface.

21. (New) A composition comprising:

5-30 wt. % cellulose based on the total weight of the composition; and

a polymer content which comprises

(a) 10-80 wt. % of polyethylene and/or polypropylene;

(b) 10-85 wt. % of EP(D)M rubber;

(c) 0-40 wt. % of polybutadiene; and

(d) 0.5-60 wt. % of at least one of an ethylene-vinyl acetate copolymer, an ethylene-vinyl acetate terpolymer, NBR, an ethylene-acrylic ester copolymer, an ethylene-acrylic ester terpolymer, a polybutadiene-based polyurethane and/or its precursors, or mixtures thereof;

wherein (c) and (d) make up no more than 60 wt. % of the polymer content of the composition.

22. (New) The composition according to claim 21, wherein the polymer content comprises 0.5-20 wt. % of one or more polybutadienes having -NCO, -OH, and/or -COOH terminal groups.

23. (New) The composition according to claim 21, comprising 0.1-1.5 wt. % of a radical generating agent which is used to generate radicals at temperatures of 200° C to 220° C, wherein the wt. % of the radical generating agent is based on the sum of the polymer content and the radical generating agent.

24. (New) A process for the production of a thermoplastic polymer formulation comprising:

mixing a composition which includes

5-30 wt. % cellulose based on the total weight of the composition;

a polymer content comprising

(a) 10-80 wt. % of polyethylene and/or polypropylene;

(b) 10-85 wt. % of EP(D)M rubber;

(c) 0-40 wt. % of polybutadiene;

(d) 0.5-60 wt. % of at least one other compound selected from an ethylene-vinyl acetate copolymer, an ethylene-vinyl acetate terpolymer, NBR, an ethylene-acrylic ester copolymer, an ethylene-acrylic ester terpolymer, a polybutadiene-based polyurethane and/or its precursors, or mixtures thereof; and

0.1-0.6 wt. % of a radical generating agent, the wt. % of the radical generating agent being based on the sum of the polymer content and the radical generating agent;

wherein (c) and (d) make up no more than 60 wt. % of the polymer content of the composition;

wherein the composition is mixed at a temperature sufficient to link at least some polymers in the composition.

25. (New) The process according to claim 24, wherein the polymer content of the composition comprises at least one polybutadiene having -OH, -NCO and/or -COOH terminal groups.

26. (New) The process according to claim 24, wherein the polymer content of the formulation includes the polybutadiene-based polyurethane, the polybutadiene-based polyurethane being the reaction product of a polybutadiene having an -NCO terminal group and one or more of a polybutadiene having an -OH terminal group, a polybutadiene having an -COOH terminal group, or a diol.

27. (New) A polyolefin-based thermoplastic polymer formulation comprising 5-30 wt. % cellulose based on the total weight of the formulation and, by weight of the total weight of polymers, 10-80% of polypropylene, 10-85% by weight of EP(D)M rubber, 0-40% of polybutadiene, and 0.5-60% of at least one other compound selected from: ethylene-vinyl acetate copolymers and terpolymers, NBR, ethylene-acrylic ester copolymers and terpolymers, polybutadiene-based polyurethanes or their precursors, or mixtures thereof, the maximum total amount of polybutadiene and the other compound(s) being 60% by weight, the polybutadiene and the other compound(s) being grafted onto the polypropylene and/or the EP(D)M rubber.

28. (New) The formulation according to claim 27, wherein the EP(D)M rubber is oil extended at 30-60% by weight.
29. (New) The formulation according to claim 27, wherein the polybutadiene-based polyurethane is a reaction product of a polybutadiene derivative having an -NCO group with a polybutadiene derivative having a terminal group selected from -OH and -COOH and/or with a diol.
30. (New) A trim element for a motor vehicle, the trim element comprising an external surface made at least partly with a thermoplastic material having a formulation according to claim 27.
31. (New) A trim element according to claim 30, comprising an internal support layer and an external skin layer, said external skin layer corresponding to said surface.
32. (New) A composition for the preparation of the formulation in claim 27 comprising 5-30 wt. % cellulose based on the total weight of the composition and, by weight out of the total weight of the polymers, 10-80% of a polyolefin selected from polyethylene and polypropylene, 10-85% by weight of an EP(D)M rubber, 0-40% of a polybutadiene, 0.5-60% of at least one other compound selected from ethylene-vinyl acetate copolymers and terpolymers, NBR, ethylene-acrylic ester copolymers and terpolymers, and polybutadiene-based polyurethanes or their precursors, the maximum total amount of polybutadiene and of the other compound(s) being 60% by weight.
33. (New) The composition according to claim 32, comprising 0.5-20% of one or more polybutadienes provided with terminal groups selected from: -NCO, -OH, and/or -COOH.
34. (New) The composition according to claim 32, further comprising 0.1-1.5% of a radical-generating agent at the processing temperature of the composition.
35. (New) A process for the production of a thermoplastic polymer formulation, the process comprising mixing a composition comprising 5-30 wt. % cellulose based on the total weight of the composition and, by weight of the total weight of the polymers, 10-80% of a polyolefin selected from polyethylene and polypropylene, 10-85% by weight of an EP(D)M

rubber, 0-40% of a polybutadiene, 0.5-60% of at least one other compound selected from ethylene-vinyl acetate copolymers and terpolymers, NBR, ethylene-acrylic ester copolymers and terpolymers, and polybutadiene-based polyurethanes or their precursors, the maximum total amount of polybutadiene and of the other compound(s) being 60% by weight, and of at least one agent generating radicals, at a temperature such as to activate said radical-generating agent to effect a partial linking of at least some of the polymers present.

36. (New) The process according to claim 35, wherein the other compound includes at least one polybutadiene provided with terminal groups selected from -OH, -NCO and/or -COOH.

37. (New) The process according to claim 35, in which said polybutadiene-based polyurethane is prepared by reacting -NCO functionalized polybutadienes with -OH or -COOH polybutadienes and/or a diol.

38. (New) A polyolefin-based thermoplastic polymer formulation comprising:  
a polymer content which comprises

- (a) 10-80 wt. % of one or more polypropylene;
- (b) 10-85 wt. % of EP(D)M rubber which is oil extended 30-60 wt. %;
- (c) 0-40 wt. % of polybutadiene; and
- (d) 0.5-60 wt. % of a polybutadiene-based polyurethane and/or its

precursors and at least one of an ethylene-vinyl acetate copolymer, an ethylene-vinyl acetate terpolymer, NBR, an ethylene-acrylic ester copolymer, an ethylene-acrylic ester terpolymer, or mixtures thereof;

wherein (c) and (d) make up no more than 60 wt. % of the polymer content of the formulation and wherein (c) and (d) are at least partially grafted onto the polypropylene and the EP(D)M rubber.

39. (New) The formulation according to claim 38, wherein the polybutadiene-based polyurethane is the reaction product of a polybutadiene having an -NCO terminal group and one or more of a polybutadiene having an -OH terminal group, a polybutadiene having an -COOH terminal group, or a diol.

40. (New) The formulation according to claim 38, wherein the polymer content comprises 15-50 wt. % of one or more propylene polymers and/or copolymers.
41. (New) A trim element for a motor vehicle comprising an external surface made at least partly with a thermoplastic material having a formulation according to claim 38.
42. (New) The trim element according to claim 41, comprising an internal support layer and an external skin layer, the external skin layer corresponding to the external surface.
43. (New) A polyolefin-based thermoplastic polymer formulation comprising:  
cellulose; and  
a polymer content which comprises
- (a) 10-80 wt. % of one or more polypropylene;
  - (b) 10-85 wt. % of EP(D)M rubber;
  - (c) 0-40 wt. % of polybutadiene; and
  - (d) 0.5-60 wt. % of at least one of an ethylene-vinyl acetate copolymer, an ethylene-vinyl acetate terpolymer, NBR, an ethylene-acrylic ester copolymer, an ethylene-acrylic ester terpolymer, a polybutadiene-based polyurethane and/or its precursors, or mixtures thereof;
- wherein (c) and (d) make up no more than 60 wt. % of the polymer content of the formulation and wherein (c) and (d) are at least partially linked to the polypropylene and the EP(D)M rubber.
44. (New) The formulation according to claim 43, in which the EP(D)M rubber is oil extended 30-60 wt. %.
45. (New) The formulation according to claim 43, wherein the polymer content of the formulation includes the polybutadiene-based polyurethane, the polybutadiene-based polyurethane being the reaction product of a polybutadiene having an -NCO terminal group and one or more of a polybutadiene having an -OH terminal group, a polybutadiene having an -COOH terminal group, or a diol.